Wexiödisk

PRE-RINSE MACHINE
WD-PRM6 & WD-PRM7

(translation of the original documentation)

Installation and user manual

S/N: (En) Valid from: 201403 Rev.: 3.0

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1. General

Read the instructions in this manual carefully as they contain important information regarding correct, effective and safe installation, use and service of the dishwasher.

The WD-PRM6/7 can only replace manual rinsing of items. In the future, the items must still be washed and rinsed out in a dishwasher.

Keep this manual in a safe place for eventual use by other operators of the dishwasher.

The electronics in the machine are RoHS compatible.

1.1 Symbols used in this manual

This symbol warns of situations where a safety risk may arise. The instructions given should be followed in order to prevent injury.

This symbol on a machine part warns of electrical equipment. The machine is sensitive to electrostatic discharge (ESD), which is why a static electricity bracelet must be used when handling the electronics.

This symbol explains the right way to perform a task in order to prevent poor results, damage to the dishwasher or hazardous situations.

This symbol gives recommendations and hints that help to get the best performance from the machine.

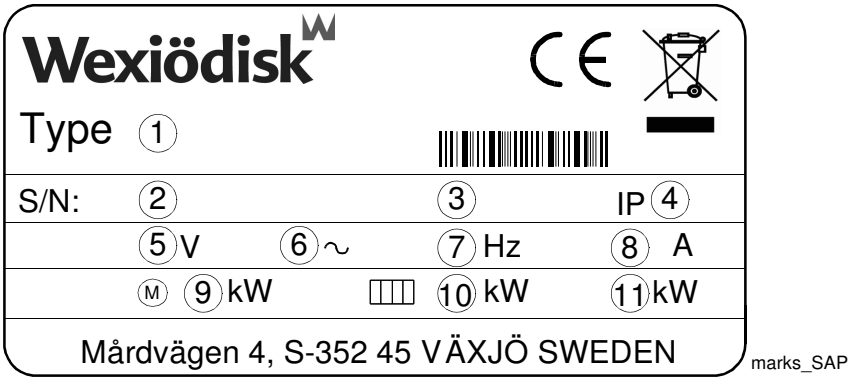
This symbol explains the importance of careful and regular cleaning of the machine to meet hygiene requirements.

1.2 Symbols on the dishwasher

This symbol on a machine part warns of electrical equipment. The part may only be removed by a qualified electrician or trained personnel. The machine is sensitive to electrostatic discharge (ESD), which is why a static electricity bracelet must be used when handling the electronics.

1.2.1 Machine marking

The machine has two rating plates, one of which is placed on the right side of the machine and the other in the electrical cabinet. The technical information on the plates is also included on the machine's wiring diagram. The various rating fields show:



1. Machine type
2. Machine number
3. Year of manufacture
4. Enclosure class
5. Voltage
6. Number of phases with or without zero
7. Frequency
8. Main fuse
9. Motor output
10. Electrical heating output
11. Max. output

1.3 Checking agreement between the appliance and the manual

Check the type description on the rating plate agrees with the type description on the front of the manual. If manuals are missing, it is possible to order new ones from the manufacturer or the local representative. When ordering new manuals, it is important to quote the machine number found on the rating plates.

2. Safety instructions

2.1 General

The machine is CE marked, which means that the machine complies with the requirements of the EU machinery directive with regards to product safety. Product safety means the machine has a design which prevents personal injury or damage to property.

Modification to the equipment without the approval of the manufacturer invalidates the manufacturer's product liability.

To further improve safety during installation, operation and service, the operator and personnel responsible for installation and servicing of the machine should read through the safety instructions carefully.

Switch off the appliance immediately in the event of failure or malfunction. Only trained technicians may service the machine. Regular checks, as mentioned in the manual, should be carried out as per the instructions. The machine should be serviced by a person authorised to do so by the manufacturer. Use original spare parts. Contact an authorised service company to draw up a programme for preventative care. Dangerous situations may arise if the above is not followed.

Before using the machine, ensure that personnel are given the requisite training in handling and care of the machine.

2.2 Transport

Handle the machine with care during unloading and transport to avoid tipping. Never lift or move the machine without the wooden packaging supporting the stand.

2.3 Installation

The electrical cabinet may only be opened by a qualified electrician or trained personnel. The machine is sensitive to electrostatic discharge (ESD), which is why a static electricity bracelet must be used when handling the electronics.

Make sure that the mains voltage is the same as that indicated on the machine's rating plate. The machine should be connected to a lockable main switch.

2.4 Operation

2.4.1 Risk of crushing

If the machine has an automatic hood lift, take care when the lid is closing that your fingers or arms do not become trapped.

2.5 Cleaning

2.5.1 Cleaning the machine

The temperature of the water in the tank is approx. 40°C and contains detergent. Be careful when emptying and cleaning the machine. Use protective gloves.

2.5.2 The outside of the machine

Pressure washers and hoses must not be used to wash the outside of the machine. Water can penetrate into the electrical cabinet and the control panel and damage the equipment, which may affect the safety of the machine.

2.5.3 Cleaning with high-pressure washing

The machine must not be cleaned with a pressure washer, either inside or out.

In order to satisfy current requirements, electrical components of approved enclosure classes are used. There is no enclosure class capable of withstanding high pressure.

2.5.4 Cleaning the floor

When the floor is washed, water can splash up under the machine and damage the components. These have not been designed to withstand being washed with water. Do not wash the floor within a distance of 1 metre from the dishwasher. Problems with splashing can also occur when using ordinary hoses.

2.6 Repairing and servicing the dishwasher

Turn off the power before working on the machine.

Check the following:

- Has the appliance been used according to the instructions?
- Are all removable parts present?
- Is the main switch in the ON position?
- Are the fuses in the electrical cabinet complete? Ask service personnel to check the fuses.

If nothing else helps, ask authorised service personnel to check the machine.

2.7 Recycling the machine

Recycling of the appliance when its economical lifetime has been reached must be carried out in accordance with current rules and regulations. Contact professional personnel specialising in recycling.

3. Installation

3.1 General

The machine must only be installed by authorised personnel.

Read these instructions through carefully as they contain important information regarding correct installation.

The WD-PRM6/7 cannot be combined with a WD 6/7 that is fitted with a heat recovery by the drain water.

The dishwasher connected to the WD-PRM6/7 should have software version 4.7 or later. Where the dishwasher has an earlier software version, it should be updated.

The instructions should be used together with the machine's wiring diagram.

The machine is CE marked. The CE mark is only valid for the machines with the original design. If the machine is damaged as a result of the instructions not being followed, the supplier guarantee and product liability is invalidated.

3.2 Requirements for installation on site

3.2.1 Lighting

In order to ensure the best possible working conditions during installation, operation, service and maintenance, make sure that the machine is installed in a well-lit room.

3.2.2 Ventilation

The machine generates heat and steam when in operation. For a good working environment, a certain air change rate is required in the washing room. The ventilation requirements for the room are dimensioned as per applicable standards.

3.2.3 Drains

There must be a floor drain with an effective trap for the machine's waste water and for water used for cleaning. The floor drain capacity can be found in the TECHNICAL SPECIFICATIONS.

3.2.4 Service space

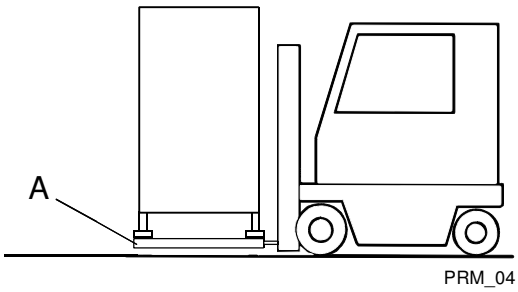
A 1-metre free space should be allowed in front of the machine for service purposes.

3.3 Transport and storage

Always transport the machine in an upright position.

Take care during transport, as there is a risk of tipping.

NB! The machine must not be transported without a pallet or other support. The machine may be damaged otherwise. When transporting the machine without the ordinary wooden pallet, always check that none of the machine components can be damaged.



A=Wooden pallet

If the machine is not being installed straight away, it must be stored frost-free in premises with dry air.

3.3.1 Unpacking

Remove the packing material. Inspect the machine for any transport damage.

Check that all units have been delivered by comparing with the delivery note.

3.3.2 Recycling the packaging

Packaging must be sent for destruction or recycling in accordance with local regulations.

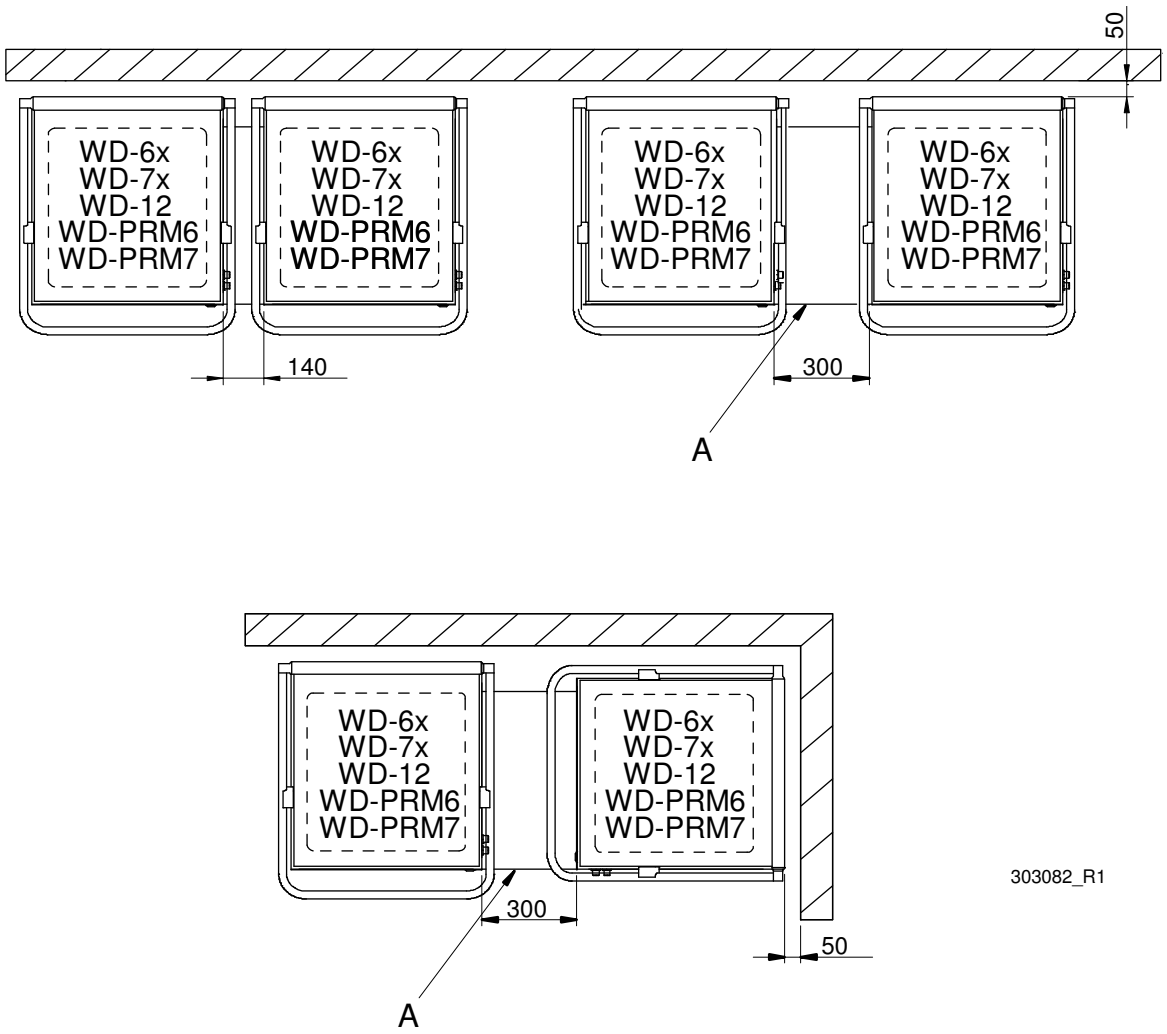
3.4 Installation

The level pipe in WD-PRM6/7 is marked "LEVEL PIPE PRM".

The level pipe in the connected dishwasher must be removed and replaced by a bottom filter.

If holes need to be made in the machine, each hole must be fitted with an edge strip or similar protection.

3.4.1 Positioning the machine



A=Distance between the machines, with or without cupboard (option)

Put the machine in position and check that it is horizontal using a spirit level. Place the spirit level on the join between the machine tank and the hood. Once the machine has been filled with water, check that it is level.

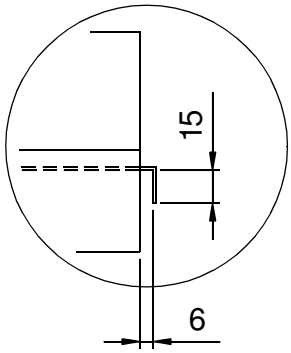
The machine can be positioned so that it can be straight-loaded or corner-loaded.

If the machine is to be corner-loaded, it must be positioned with the control panel furthest away from the wall.

Adjust the height using the machine's legs. The machine even can be furnished with extensions leg (35 mm).

NOTE: When connecting sinks and conveyors, no holes must be drilled on the front of the machine. If holes need to be made in the machine, each hole must be fitted with an edge strip or similar protection.

The sinks are hooked firmly on to the top edge of the tank.



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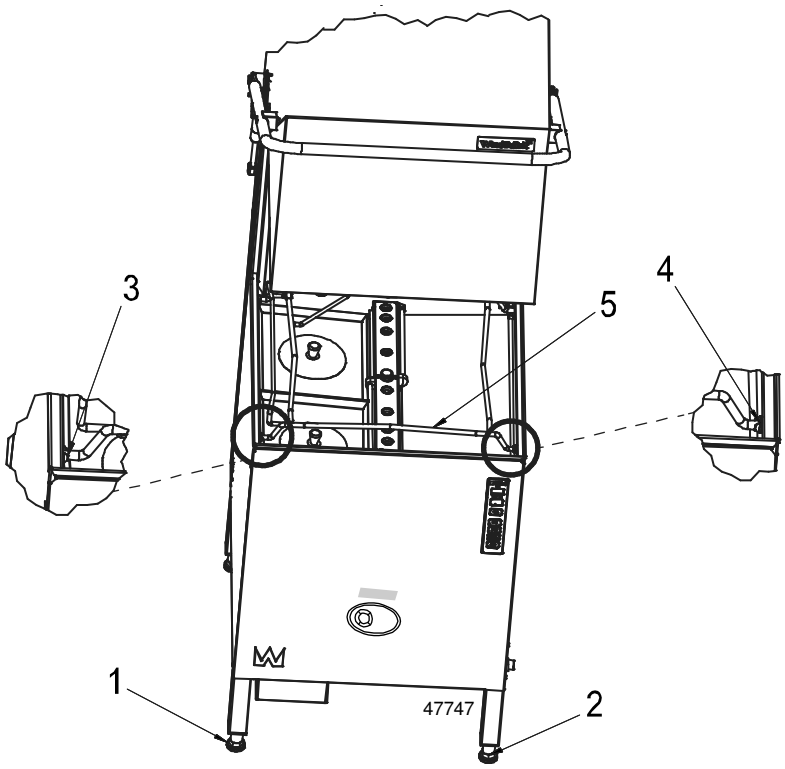
Detail of sink cover

The connection profile must look like the one shown in the drawing. The distance of 6 mm may be reduced, but must not be less than 3 mm.

Use a spirit level to check that the sinks are horizontal and adjust the height, if necessary.

Adjusting the folding basket path



Place the machine in level by adjusting the four feets so they have full contact with the floor. Use spirit level.

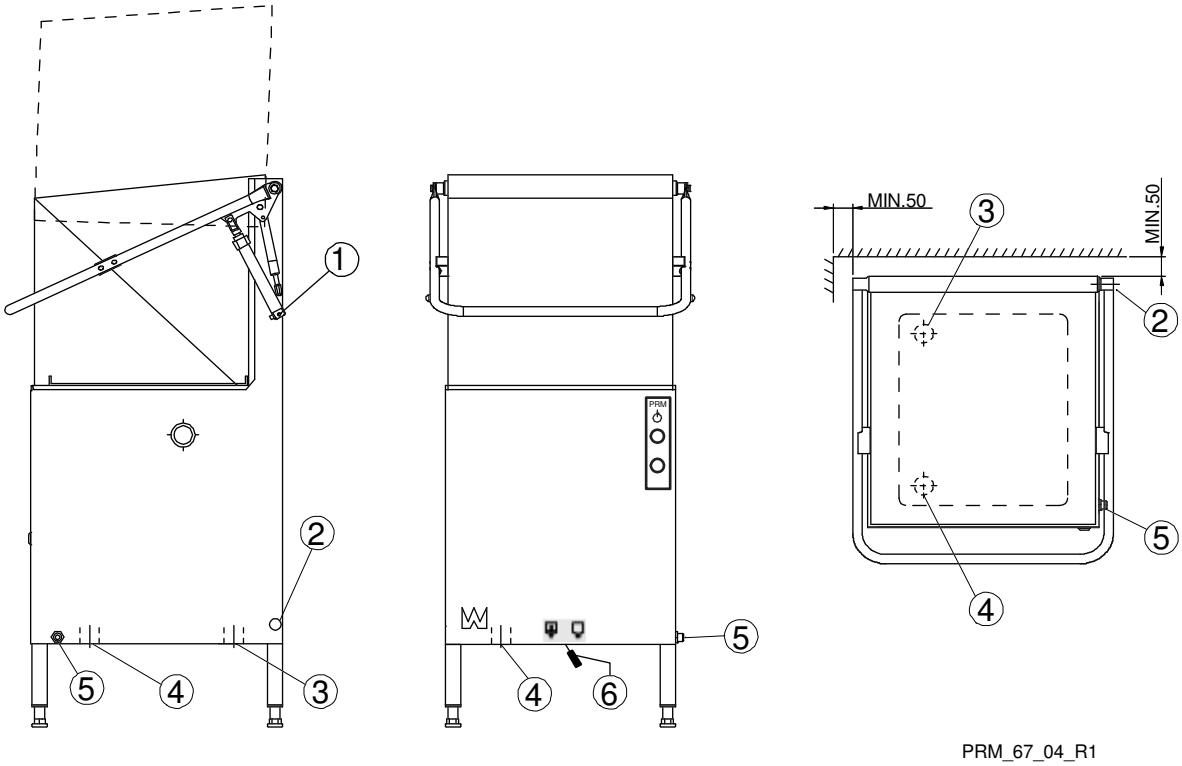
Fill up your machine.

Lift basket guide (5) up and down and adjust foot 1 and 2 until the basket guide is in the middle of the two supports 3 and 4.

If further adjustment of the machine's leveling is required, the legs are adjusted in pairs (side, back or front).

3.5 Connections

3.5.1 Connections WD-PRM6/7



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1. Air bleed for the lifting cylinder (on machines with an automatic hood) (option)
2. Power connection
3. Water connection in the bottom of the washing tank for incoming water from the hood dishwasher.
4. Drain connection in the bottom of the washing tank.
5. Cold water connection (option)
6. Drain lever

3.5.2 Electrical connection

This symbol on a machine part warns of electrical equipment. The part may only be removed by a qualified electrician. The machine is sensitive to electrostatic discharge (ESD), which is why a static electricity bracelet must be used when handling the electronics.

The machine must be connected to a lockable mains switch. This should be placed on a wall, well-protected from water and from the steam which escapes when the hood is opened.

Information about electrical connections can be found on the machine's wiring diagrams. These are located on the inside of the front panel. Store the diagrams in the electrical cabinet after installation.

The machine is supplied with the electrical cable connected (2).

3.5.3 Water connection

The machine fills with water (3) via the hood dishwasher that the WD-PRM6/7 is connected to.

If the machine has a water-powered automatic hood, the water is connected to (5).

The required water flow and pressure can be found in the TECHNICAL SPECIFIKATIONS.

3.5.4 Bleeding the hood lifting cylinder, with a pump connection (option)

- Open the bleed screw (1).
- Press the 0/1 button.
- Open the hood.
- Close the bleed screw (1) when water comes out of the hole on the screw.

3.5.5 Bleeding the hood lifting cylinder, with a water connection (option)

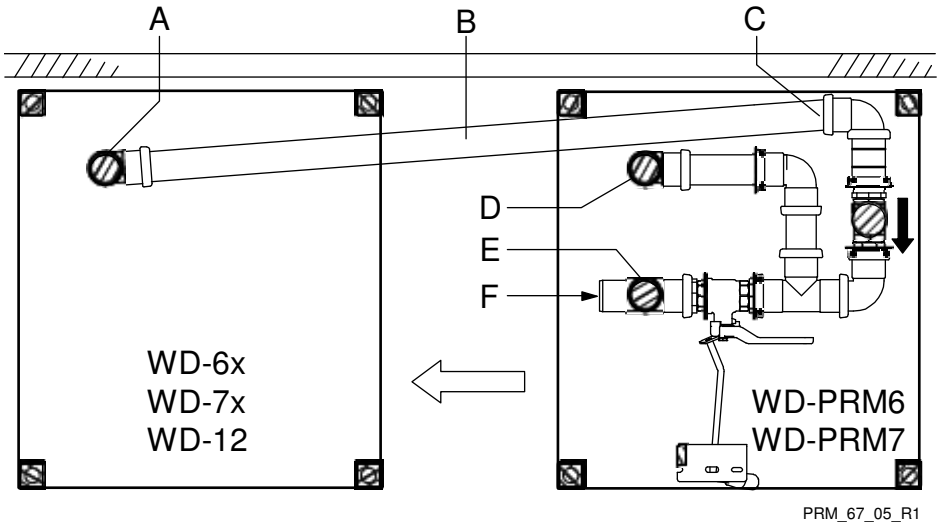
Open the bleed screw (1). Press the 0/1 button and open the water stopcock slightly until a small amount of water flows out of the bleed screw (1). Let the water run until no air bubbles are left in the hose. Close the bleed screw (1) and open the stopcock fully.

3.5.6 Drain connection - Interconnection with dishwasher

The drain connected to (4) should use 50 mm metal pipes that tolerate mechanical collision. The drain is run to a floor drain, where it must end above the water level.

Ensure that the drain connection is kept in place by using e.g. cable ties in the designated areas.

Drain connection. Feed from right to left



Water and drain connections seen from above. The hood dishwasher placed to the left of the WD-PRM6/7.

- A=Water connection in the bottom of the hood dishwasher's washing tank. The connection must be fitted with a bottom filter. (NOTE: No level pipe)
- B=Connecting pipe. Cut to a suitable length.
- C=Connection for connecting pipe.
- D=Water connection in the bottom of the WD-PRM6/7's washing tank. The connection must be fitted with a bottom filter. (NOTE: No level pipe)
- E=Drain connection in the bottom of the WD-PRM6/7's washing tank. (Location of level pipe)
- F=Connection for waste pipe between machine and floor drain.

WD-6x and WD-7x: WD38210.02 and L=462mm.

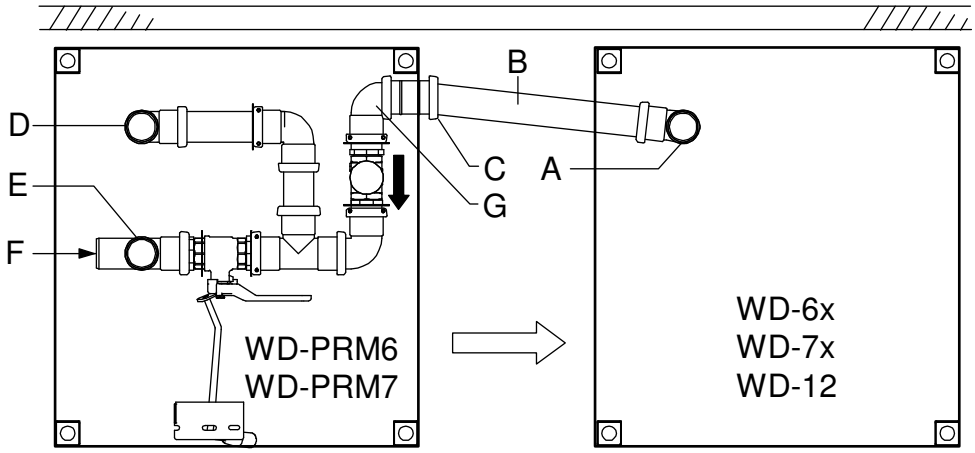
WD-12: WD38210.04 and L=362mm.

WD-Rack conveyor: WD38210.03 and L=400mm.

Pressure switch setting:

	Upper level:	Lower level:
WD-PRM6 / 7	275mm	160mm
WD-12	360mm	270mm

Drain connection. Feed from left to right



Water and drain connections seen from above. The hood dishwasher placed to the right of the WD-PRM6/7.

- A=Water connection in the bottom of the hood dishwasher's washing tank. The connection must be fitted with a bottom filter. (NOTE: No level pipe)
- B=Connecting pipe. Cut to a suitable length.
- C=Connection for connecting pipe.
- D=Water connection in the bottom of the WD-PRM6/7's washing tank. The connection must be fitted with a bottom filter. (NOTE: No level pipe)
- E=Drain connection in the bottom of the WD-PRM6/7's washing tank. (Location of level pipe)
- F=Connection for waste pipe between machine and floor drain.
- G=Water connection in the bottom of the hood dishwasher's washing tank. The connection must be fitted with a bottom filter. (NOTE: No level pipe)

WD-6x and WD-7x: WD38210.02 and L=462mm.

WD-12: WD38210.04 and L=362mm.

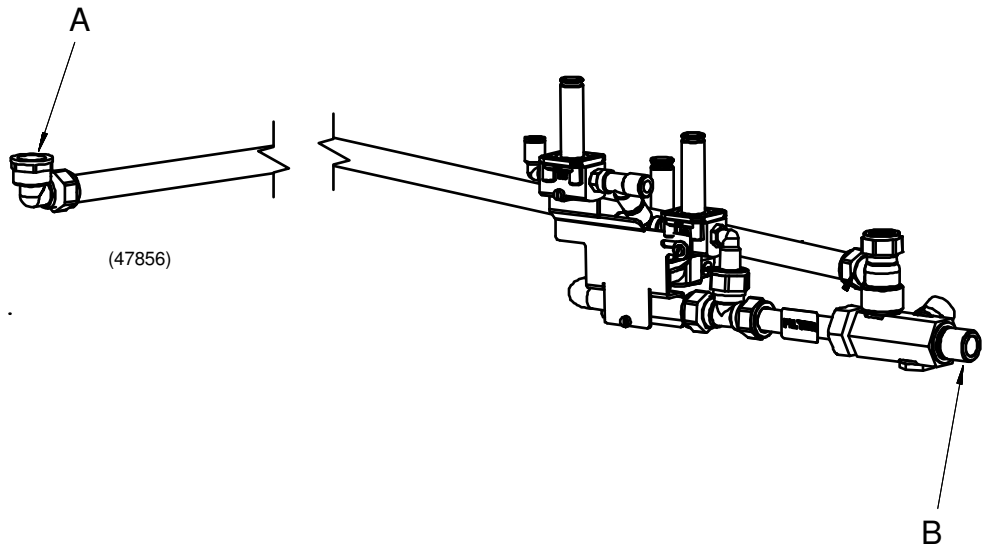
WD-Rack conveyor: WD38210.03 and L=400mm.

Pressure switch setting:

	Upper level:	Lower level:
WD-PRM6 / 7	275mm	160mm
WD-12	360mm	270mm

3.5.7 Booster pump (option)

When the connected dishwasher is equipped with a booster pump (possibly optional) even the WD PRM6 / 7 can use it.

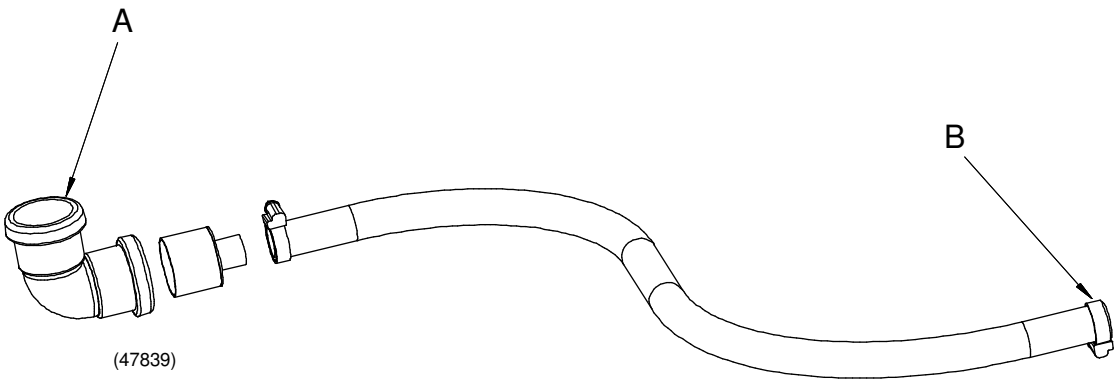


A: connected to the water inlet (5) WD-PRM6 / 7
B: is connected to the dishwasher's water supply

For electrical connections, see wiring diagram.

3.5.8 Drain pump (option)

When the connected dishwasher is equipped with drain pump (possibly optional) even the WD PRM6 / 7 can use it.



A: connected to the drain (4) WD-PRM6 / 7
B: is connected to the drain pump in the dishwasher

3.6 Trial run

Prepare the machine for a trial run using the INSTRUCTIONS FOR USE. This describes the measures that must be taken to make the machine ready for operation.

3.6.1 Start-up schedule

This should be completed and acknowledged by the customer on start-up.

Machine type:

Machine number:

Installation date:

Customer:
Address for visitors:
Postcode + Town/City:
Telephone:
Contact person:

Dealer:
Telephone:
Contact person:

Installation company:
Telephone:
Contact person:

Service company:
Telephone:

Detergent supplier:
Telephone:

End user’s signature:

Name in block capitals:

Read the contents of the installation and user manuals carefully. Then check off as follows:

1. Check:

- Water and drain connections
- That the machine is evenly balanced
- Filters and level pipe are in place
- The drain lever is closed

2. Filling the machine:

- Note: The hood dishwasher that is connected must be started
- Press the 0/1 button
- Fill the machine with water as per the INSTRUCTIONS FOR USE

3. Start the machine:

- Check the pump's direction of rotation
  NOTE! If the direction of rotation is wrong, the phase must be inverted on the lockable main switch.

4. Run a number of baskets complete with loads and check that:

- There are no water leaks
- The hood switch functions

5. Final check: Empty the machine and turn off the power using the main switch.

- Re-tighten all connections on contactors and any circuit breakers
- Set all circuit breakers to ON position
- Display the maintenance instructions supplied with the machine.

6. Train dishwashing staff

3.7 Technical documentation

For correct use and servicing, it is essential that the documentation accompanying the machine is made available to personnel who will be using the machine. The installation and user manual, which describes handling and care among other things, should be stored near the machine.

If the service manual accompanies the delivery, this should be passed on to the responsible service technician later on.

If the spare partsmanual accompanies the delivery, this should be passed on to the responsible service technician later on.

4. Directions for use

All staff using the machine must be given training in how the machine works by the person responsible for staff safety.

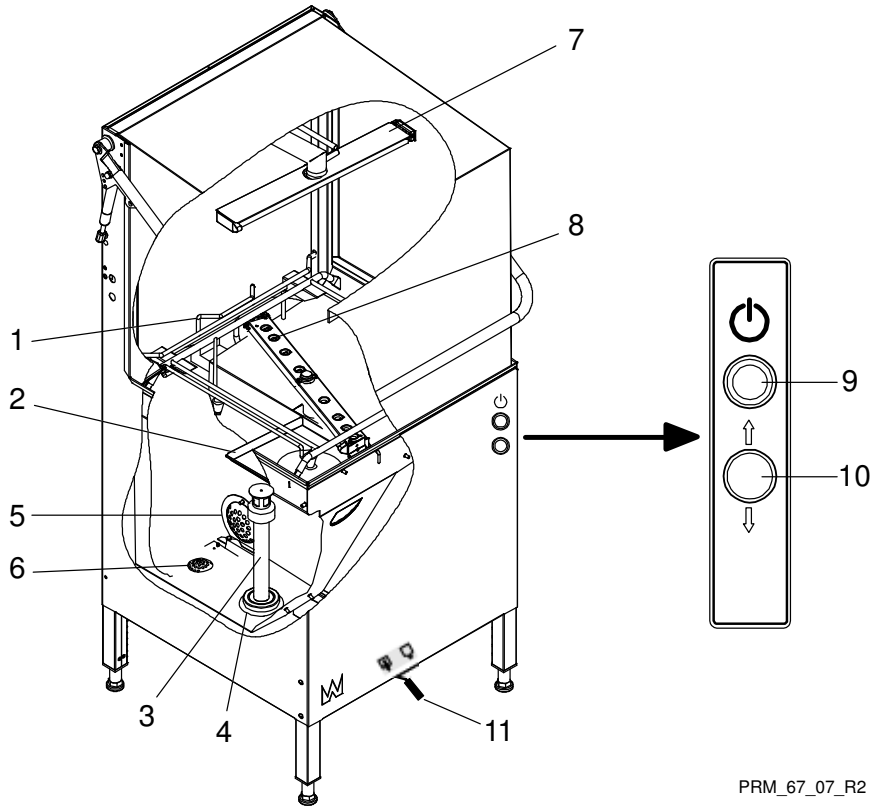
The machine should not be used by anyone suffering from a physical or mental illness.

Children should be supervised to ensure that they do not play with the machine.

The machine is intended to be used for the rinsing of items used for the preparation and serving of food, as well as various types of items for the storage of food. The items must be washed and rinsed in a dishwasher.

4.1 Preparations

4.1.1 The machine's design, WD-PRM6/7



1. “Autostart” (if the machine has this option, the hood is closed automatically when a basket is loaded in the machine.) (option)
2. Tank filter
3. Level pipe
4. Rubber sleeve
5. Pump filter
6. Bottom filter
7. Wash arm
8. Rinse nozzle
9. Button to switch the power on or off. Lit when the tank is filled.
10. Button for opening/closing the hood. (On machines with an automatic hood lift.) (option)
11. Drain lever

4.1.2 Preparations before filling

Numbers in brackets refer to pictures in the chapter "The machine’s design".

Check:

- that the drain lever (11) has been turned to the right as far as it will go, and all removable components are clean and that there is no dirt in the washer arms (7).

Assemble:

- level pipe (3) and filter (2).

4.1.3 Filling the machine

Numbers in brackets refer to pictures in the chapter "The machine’s design".

NOTE: The hood dishwasher must be started. When the hood dishwasher is started, both the machines are filled with water at the same time.

- Press the 0/1 button (9) to switch on the power. The lamp in the button lights up when the machine is filled.

4.2 Use

4.2.1 General

During operation the dishwasher's tank fills automatically.

For optimum results it is essential to keep the filters (2) clean. Remove them and rinse it out regularly.

4.2.2 Pre-rinse. Machine with manual hood lift

- Push in the basket and close the hood. The pre-rinse will start automatically.
- After the set time is for the flushing done, (the time can be adjusted by qualified personnel). Open the hood and push the basket into the hood dishwasher for wash and final rinse.

4.2.3 Pre-rinse. Machine with automatic hood lift (option)

- Push in the basket and close the hood by pressing the button (10). The pre-rinse will start.
- If the machine is fitted with "Autostart" (1), the hood is closed automatically when a basket is loaded. The pre-rinse will start. (option)
- After the set time is for the flushing done and the hood opens automatically (time can be adjusted by authorized personnel). Push the basket into the hood dishwasher for wash and final rinse.

4.2.4 Stopping the machine during operation

If the machine needs to be stopped when it is in operation, use the buttons on the control panel. Press the 0/1 button (9) to turn off the power.

Restart: Press the 0/1 button (9).

4.3 After use – Cleaning

4.3.1 Emptying

Numbers in brackets refer to pictures in the chapter “The machine’s design”.

- Press the 0/1 button (9).
- Empty the tank by turning the drain handle (11) to the left.

4.3.2 Cleaning

Daily internal cleaning

Clean the filter (2,6). Check the washer arms (7) nozzles (8), if necessary clean. Rinse out all of the machine’s inside surfaces, and clean the tank.

Daily external cleaning

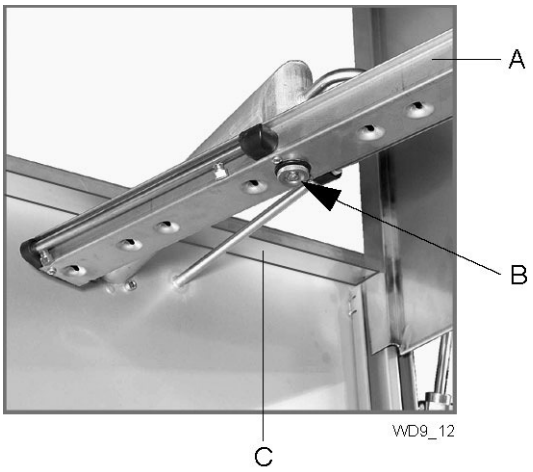
Wipe the outside of the machine with a soft, damp cloth.

Weekly cleaning (or as required)

Weekly cleaning should be carried out more thoroughly than daily cleaning.

In addition to the measures for daily cleaning, clean the machine as follows:

- Remove the washing arms. Loosen the lock nut (B) in the centre of the washing arm and remove the washing arm. Check and clean the nozzles if necessary. Rinse the washing arms and refit them.
- Clean the top of the splash strip (C). The strip is inside the top of the machine at the back.

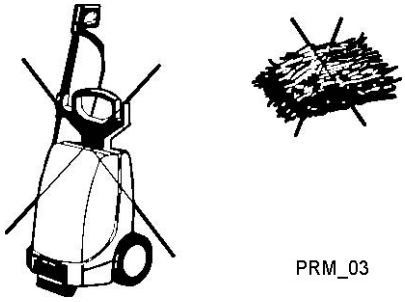


A=Upper washing arm
B=Lock nut
C=Splash strip

Incorrect cleaning methods

An incorrect cleaning method may damage the machine. The following therefore applies:

- Do NOT use steel wool as it will corrode the machine.
- High-pressure cleaning can damage the machine and must NOT be used for cleaning purposes. Never use a pressure washer on the floor less than 1 metre from the dishwasher. The supplier cannot be held responsible for any faults caused by the use of pressure washers on the machine and such action will void the guarantee.



PRM_03

Steel wool and pressure washers must not be used for cleaning.

There is a risk of splashing even if the floor is hosed down.

If detergent is used, it must not contain abrasives. Detergents containing abrasives will damage the stainless steel panels.

The machine must not be hosed down externally. Water can enter the control panel and damage electrical equipment.

Operational disturbances

If there were water breaks in the property may hood lift (optional) need to be vented, according to passages in "INSTALLATION" chapter.

When you contact the service personnel, you will need to answer the following questions about the machine:

- machine type and model
- machine serial number and installation date
- short description of the fault/problem
- what happened/was being done immediately before the fault occurred

5. Technical specifications

The manufacturer reserves the right to make changes to this technical data.

TECHNICAL DATA	
Pump motor (kW)	0,9
Tank volume (l)	45
Weight, machine in operation (kg) (WD-PRM6)	130
Weight, machine in operation (kg) (WD-PRM7)	150
Enclosure class (IP)	45

CAPACITY AND OPERATING DATA	
Total pre-rinse time (sec)	30 / **45** / 60
Max. capacity, baskets/h (pcs/h) *	120
Sound pressure level, L_{PA} (dBA) **	60 - 62
Sound power level, L_{WA} (dBA) **	72 - 74

* At 30 sec. pre-rinse time.

** according to EN 60 335-2-58, §ZAA.2.8 with measurement equipment complies class 1.
The in situation sound pressure levels were measured in three points 20cm away from any corners of the object under study at 1,55m height.
The sound intensity measurement was operated with a probe consisting of two microphones of opposite polarization. The probe was placed normal to an imaginary measurement surface that lies 1m away from any corners around the object under study.

CONNECTION, MACHINE	
Total connected power (kW)	0,9
Main fuse 400V 3N~ (A) *	10
Max. connection area 400V 3N~ (L1-L3, N, PE) Cu (mm^2) **	2,5

* Other connection voltages on request.

** 2 metre-long cable included

WATER, DRAIN AND VENTILATION CONNECTIONS	
Drain connection, PP pipe (ø mm)	50
Water capacity hood lift, pressure (kPa) (WD-PRM6) *	180
Water capacity hood lift, pressure (kPa) (WD-PRM7) *	300
Water capacity hood lift, flow (litres/minute) *	2
Floor drain, capacity (l/min)	3
Heat load to the room, sensible (kW)	0,2
Heat load to the room, latent (kW)	0,1
Heat load to the room, total (kW)	0,3

* Option. At a lower pressure/flow, the machine should be fitted with a booster pump

SIZE AND WEIGHT FOR TRANSPORT	
Size (LxWxH) (mm) * (WD-PRM6)	765x710x1560
Size (LxWxH) (mm) * (WD-PRM 7	765x805x1650
Weight (kg) * (WD-PRM6)	100
Weight (kg) * (WD-PRM7)	105

* Including packaging.